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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/784,293	02/24/2004	Chiu-Hsiung Liu	MR957-1462	2278

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ELLICOTT CITY, MD 21043

EXAMINER

GOMA, TAWFIK A

ART UNIT PAPER NUMBER

2627

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	03/02/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/784,293

Applicant(s)

LIU, CHIU-HSIUNG

Examiner

Tawfik Goma

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: ____.

DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Regarding claim 1, the phrase "large torque " renders the claim indefinite because it is unclear what the limitation as to the amount of torque is.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claim 1 is rejected under 35 U.S.C. 102(e) as being anticipated by Liu (US 2005/0049733).

The applied reference has a common assignee with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

Regarding claim 1, Liu disclose a dual-use audio signal player (fig. 1), comprising a CD playing mechanism, including: (1) a laser pick-up for reading music and audio data in a CD (114, fig. 1); (2) a DRAM for storing digital music data therein (151, fig. 1); (3) a digital audio signal player for processing digital music data stored in the DRAM with (15, fig. 1); and (4) a digital-to-analog converter electrically connected to the digital audio signal player for changing the digital music data into analogue ones such that the data can be played (16, fig. 1); a direct driver motor with large torque (23, fig. 1); the motor being controlled in respect of start, stoppage, and rotational direction and speed thereof by means of a control circuit (22, fig. 1 and par. 21); a turntable securely connected to an output shaft of the direct driver motor (2, fig. 1); the turntable having a round support plate secured thereon (2, fig. 1 and par. 21); a rotary shaft passed through and angularly displaceable relative to the output shaft of the direct driver motor (fig. 1); the rotary shaft being passed through the round support plate at an upper end thereof (fig. 1); the rotary shaft having an engaging portion at the upper end (fig. 1 and par. 21); a special disk positioned on the round support plate such that the round support plate can make the special disk angularly displaced together with it when the motor operates to rotate the turntable, and such that the special disk can be angularly displaced relative to the round support plate by a person's hand (pars. 7 and 24); the special disk being fitted around the engaging portion of the rotary shaft at an engaging hole thereof such that the rotary shaft will move together with the special disk when the special disk is angularly displaced relative to the round support plate by a person's hand (pars. 7 and 24, Liu discloses that the turntable is moved with the movement of the disc, which inherently requires securing the disc to the shaft); a co-moving plate securely connected to the rotary shaft (Top section of 2, fig. 1); a light sensor disposed

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opposite to the co-moving plate for detecting movement of the co-moving plate with (42, fig. 4); the light sensor being electrically connected to the digital audio signal player (43, 4, fig. 1); while the digital music data in the DRAM is being sent to the digital-to-analog converter and played, the digital audio signal processor being capable of processing the digital music data in accordance with movement of the co-moving plate as detected by the light sensor in case the special disk is manually operated to turn at various speeds and alternate directions (par. 23), thus making special effects on music that is being played by the CD playing mechanism (par. 23); and a tone arm next the turntable (4, fig. 2); the tone arm having a stylus fitted thereon for playing a vinyl analogue record with when the vinyl analogue record is positioned on the round support plate instead of the special disk as well as fitted around the rotary shaft (41, fig. 4 and par. 22).

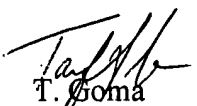
Conclusion


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tawfik Goma whose telephone number is (571) 272-4206. The examiner can normally be reached on 8:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Korzuch can be reached on (571) 272-7589. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


T. Goma
2/28/2007


WILLIAM KORZUCH
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